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C *****
C ** PROGRAM TO PUNCH CONFIGURATION INDEPENDENT TAPES
C ** FOR THE 78.10.18 VERSION.

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PROGRAM TAPDU
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IMPLICIT INTEGER (A-Z)
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CHARACTER FINAM * 30
CHARACTER ATAPN * 18
CHARACTER ANOCO * 18
CHARACTER AOUTF * 18
CHARACTER ACONT * 30
CHARACTER TA2   * 12
CHARACTER TA4   * 12
CHARACTER TA6   * 12

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DATA ATAPN /'TAPE-NUMBER ----: '/
DATA ANOCO /'NUMBER OF COPIES: '/
DATA ACONT /'TO CONTINUE TYPE ANY CHARACTER.'/
DATA AOUTF /'OUTPUT-FILE ----: '/
DATA TA2   /'TAPE-2           '/
DATA TA4   /'TAPE-4           '/
DATA TA6   /'TAPE-6           '/

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C *****
C ** ASK FOR TAPE-NO,NUMBER OF COPIES AND OUTPUT-FILE

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10  WRITE(1,1000)ATAPN
     INPUT(1)TAPN
     IF(TAPN.EQ.2)GOTO 20
     IF(TAPN.EQ.4)GOTO 20
     IF(TAPN.EQ.6)GOTO 20
     IF(TAPN.EQ.0)GOTO 200
     CALL OUTCH(1,7)
     GOTO 10

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20  WRITE(1,1000)ANOCO
     INPUT(1)NOCO

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30  WRITE(1,1000)AOUTF
     INPUT(1)FINAM
     INO=10
     OPEN(INO,ERR=500,FILE=FINAM,STATUS='OLD',ACCESS='W')
     LUN=IFILSNO(INO)

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GOTO(10,100,10,120,10,140),TAPN
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TAPDU: 54 MB

GOTO 10

C ** PUNCH TAPE-2

100 DO 105 I=1,NOCO
CALL TAPF(LUN,100)
CALL TEXT(LUN,TA2)
CALL TAPF(LUN,400)
CALL TAPE2(LUN)
CALL TAPF(LUN,200)
IF(NOCO.EQ.1)GOTO 110
WRITE(1,1000)ACONT
CONT=INCH(1)

105 CONTINUE

110 CLOSE (UNIT=INO)
GOTO 10

C ** PUNCH TAPE-4

120 DO 125 I=1,NOCO
CALL TAPF(LUN,100)
CALL TEXT(LUN,TA4)
CALL TAPF(LUN,400)
CALL TAPE4(LUN)
CALL TAPF(LUN,200)
IF(NOCO.EQ.1)GOTO 130
WRITE(1,1000)ACONT
CONT=INCH(1)

125 CONTINUE

130 CLOSE (UNIT=INO)
GOTO 10

C ** PUNCH TAPE-6

140 DO 145 I=1,NOCO
CALL TAPF(LUN,100)
CALL TEXT(LUN,TA6)
CALL TAPF(LUN,400)
CALL TAPE6(LUN)
CALL TAPF(LUN,200)
IF(NOCO.EQ.1)GOTO 150
WRITE(1,1000)ACONT
CONT=INCH(1)

145 CONTINUE

150 CLOSE (UNIT=INO)
GOTO 10

C ** ERROR IN OPENING FILE

500 IERR=ERRCODE
CALL MON64(IERR)
GOTO 30

200 CONTINUE

1000 FORMAT(/,1H\$,A)
END

EOF